

ZIELENIEWSKI, Ryszard, mgr

Characteristics of town gas of the structure C—H—O. Gaz woda
techn sanit 37 no.7:218-223 Jl '64.

1. Central Gas Engineering Laboratory, Krakow Branch.

ZIELENIEWSKI, Ryszard, dr

Wobbe's number. Gaz woda techn sanit 37 no.9:275-276 S '63.

1. Central Gas Engineering Laboratory, Krakow Branch.

ZIELENIEWSKI, Ryszard, mgr

Correction in gas density determination. Gaz woda techn
sanit 37 no. 3:111-112 Mr '63.

1. Central Gas Engineering Laboratory, Warsaw.

KUBICKI, Jan, mgr inż.; ZIELENIEWSKI, Stanisław, mgr inż.

Calculation of deflections of ferroconcrete structures according
to the newly drafted Soviet Standard SNiP II-V. 1-62 Inz i bud
20 no.3:92-97 Mr '63.

1. Instytut Techniki Budowlanej, Zakład Zelbetu i Betonu
Sprezonego, Warszawa.

TOMASSI, Witold; ZIELENIEWSKI, Wojciech

On the electrolytic decomposition of water under very low voltage
with the application of powder electrodes. Przem chem 39 no.7:421-
423 J1 '60.

1. Katedra Chemii Fizycznej, Politechnika, Warszawa

KNAPOWSKI, Jan; STEFFEN, Jan; ADAM, Włodzimierz, ARASIMOWICZ, Czeslaw,
ZIELEZINSKA, Krystyna; STOLZMANN, Maciej

The effect of temporary complete occlusion of the renal artery
on tubular transport in the nephrons of dogs. Acta med. Pol.
6 no.1s31-40 '65

1. Department of General and Experimental Pathology, Medical
Academy, Poznan (Director prof. dr. Antoni Horst) and IInd
Clinic of internal Diseases, Medical Academy, Poznan (Direc-
tor prof. dr. Jan Roguski).

POLAND

Aleksandra KUJAWSKA, Stefan KOSSMANN and Benon ZIELHZNICK, Second Clinic of Internal Medicine of the Silesian College of Medicine (II Klinika Chorob Wewnetrznych Slaskiej AM [=Akademii Medycznej]); and Clinical Department of the Institute of Occupational Medicine for the Coal and Mining Industry in Zabrze (Dział Kliniczny Instytutu Medycyny Pracy w Przemysle Weglowym i Hutniczym w Zabrzu); Head (kierownik) Prof Dr Witold ZAHORSKI.

"Functional Respiratory Tests as Criterion of Effectiveness of Bronchodilator Drugs."

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 46, 12 Nov 1962; pp 1782-1785.

Abstract [English summary modified]: Spirometric studies in 20 asthmatic men (while free of dyspnea) following 0.3 mg. epinephrine s.c., 240 mg. euphyllin aerosol or i.v.; 5 mg. isoproterenol ("Euspiran") aerosol or 25 mg. hydrocortisone. Epinephrine, isoproterenol and euphyllin were most effective, depending on the criteria. Table, 3 diagrams, 4 Polish and 20 Western references.

-1/1

LUSZCZKI, Z.; ZIELEZNY, Z. (Wroclaw)

Distributions of D_{μ}^{α} spaces as border distributions of analytic
functions. Col math 8 no.1:125-131 '61. (EEAI 10:5)
(Functions)
(Distribution (Probability theory))
(Spaces, Generalized)

33877

P/506/61/021/001/001/003
D234/D304

16.4600

AUTHOR:

Zieleński, Z. (Wrocław)

TITLE:

On multiple integrals of distributions

SOURCE: Polska Akademia Nauk. Instytut Matematyczny. Studia mathematica, v. 21, no. 1, 1961, 83 - 92

TEXT: The author refers to a paper by J. Mikusiński (Ref.2: Studia mathematica 20, 1961, 163-169) in which a method of introducing irregular operations into the theory of distributions was developed. The author deals with multiple integrals defined with the aid of this method, with the purpose of proving that such multiple integrals can also be obtained by successive integrations. Definitions of fundamental and regular sequences given in the paper quoted above are repeated. The general theorem of conversion of multiple integrals into iterated integrals is found to be false even if the existence of both integrals is presupposed. Conditions for the validity of the theorem are established and proved. Semi-regular sequences are defined and the theorem extended to Y-integrability. There

Card 1/2

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CIA-RDP86-00513R002065110011-4

ZIELEZNY, Z. (Wroclaw)

On multiple integrals of distributions. Studia math 21. no.1:83-92
'61.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110011-4"

ZIELEZNY, Z. (Wroclaw)

On the quantities of the regular and singular points of a distribution.
Studia math Ser spec no.1:139-140 '63.

TEMPLE, G. (Oxford); ZIELEZNY, Z. (Wroclaw)

On Fourier transforms of rapidly increasing distributions.
Studia math 23 no.2:119-140 '63.

ZIELEZNY, Z. (Wroclaw)

On formal trigonometrical series. Stud math 24 no.3:305-310 '64

On infinite derivatives of continuous functions. Ibid.:311-351

ZIELENY, Z. (Wroclaw)

On Fourier transforms of distributions with one-sided bounded
carriers. Studia math 25 no.1:73-80 '64.

1. Submitted February 20, 1964.

HALINSKA-LEZONOWA, Aline; ZIELINA, Jan

A case of ovarian interstitials. Pol. tyg. lek. 19 no.21:
397-399 9 Mr '64.

1. Z Oddzialu Polozniczo-Ginekologicznego Wojewodzkiego Szpitala
M.S.W. w Katowicach (kierownik: dr Roman Tarnowski; konsultant:
prof. dr Mieczyslaw Glowinski).

MASKOWSKI, Alfons; SMIGLA, Krystyna; ZIELINA, Jan

Morphological study of the hepato-pancreatic ampulla in
cholelithiasis. Polski przegl. chir. 35 no.6:581-586 '63.

1. Z Oddzialu Chirurgicznego i Zakladu Anatomii Patologicznej
Szpitala Slaskiego w Cieszynie Dyrektor: dr A. Mackowski.
(VATER'S AMPULLA) (PATHOLOGY)
(CHOLELITHIASIS)

ZIELINSKA, A.

COUNTRY : Poland H-34
 CATEGORY : Chemical Technology. Chemical Products and Their
 Applications--Dyeing and Chemical Treatment of
 Applications--Dyeing and Chemical Treatment of
 ABS. JOUR. : RZhKhim., No. 16 1959, No. 59440
 AUTHOR : Mrowczynski, W., Wielopolski, A., Mizgier-
 INST. : Not given
 TITLE : The Evaluation of Some Polish Plants as Sources
 of Dyestuffs for Wool
 ORIG. PUB. : Biul Inform Inst Przemysl Drobnego, 3, No 1,
 2/8, 3-11 (1956)
 ABSTRACT : The authors describe procedures for the preparation
 of dye extracts from the bark of Frangula
 alnus Mill., birch leaves (Betula alba L.), the
 rhizomes of Potentilla tormentilla Neck, the
 rhizomes of Gallium verum, the pericarp of Juglans
 regia L., the rhizomes of Polygonum Bistorta L.,
 the pericarp of Aesculus hippocastanum L., the
 green parts of Calluna vulgaris Salish., and from
 the shells of Arachis hypogaea. The dyes were
 applied to the wool by the one-bath [mordant dyes?]
 CARD: 1/2 Textile Materials.
 Jeziorek, L., and Zielinska, A.
 399.

CATEGORY :

ABS. JOUR. : RZhKhim., No. 16 1959, No. 59440

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R002065110011-4"

INST. :

TITLE :

ORIG. PUB. :

ABSTRACT : And by the two-bath [mordant-acid dyes?] process,
 using metal salts as mordanting agents. The
 fastness of the dyes to light, wear, and sweat
 was tested.

M. Kowalski

CARD: 2/2

ZIELINSKA, Anna

Growth disorders of the ventricular system of the brain according
to data of the Radiological Clinic of the Academy of Medicine
in Gdansk during 1947-54. Postepy radiol. 2:21-29 1956.

1. Z Zakladu Radiologii Akademii Medycznej w Gdansku Kierownik:
prof. dr. W. Grabowski.
(BRAIN, abnormalities,
hosp. statist. of x-ray department (Pol))

WERMUT, Wladyslaw; ZIELINSKA, Anna; CICHOLSKA, Aniela

Certain problems of pathogenesis and clinical aspects of giant thrombi in the left cardiac auricle. Polskie arch. med. wewn. 26 no. 3:427-434 1956.

1. Z III Kliniki Chorob Wewnetrznych Kierownik: prof. dr. med. J. Penson, Zakladu Radiologii. Kierownik: prof. dr. med. W. Grabowski i Zaklady Anatomi Patolog. A.M. w Gdansku. Kierownik: prof. dr. med. W. Czarnocki, Gdansk, III Klinika Chorob Wewnetrznych A.M. ul. Sluza 9/10.

(HEART,

intracardiac thrombus in left auric., giant (Pol))

(THROMBOSIS,

intracardiac thrombus in left auric., giant (Pol))

ZIELINSKA, Anna; SOKOL, Stanislaw; WRYDRYCH, Kazimiera

Pleuropericardial cysts. Polski przegl. radiol. 21 no.2:97-107
Mar-Apr 57.

l. Z. Zakladu Radiologii A. M. w Gdansku Kierownik: prof. dr med.
W. Grabowski. Z II Kliniki Chirurgicznej A. M. w Gdansku Kierownik:
prof dr med. K. Debicki. Z II Kliniki Chorob Wewnętrznych A. M.
w Gdansku Kierownik: prof dr. med. St. Wasylaki.
(PLEURA, cysts)

pleuropericardial (Pol)
(PERICARDIUM, cysts)
pleuropericardial (Pol)

ZIELINSKA - A.

BIENIECKI, Tadeusz; CZAPLINSKI, Wladyslaw; GREZLIKOWSKI, Jan; ZIELINSKA, Anna;
Stolarczyk, Julian

Diagnostic problems in spontaneous rupture of the aorta. Polskie arch.
med. wewn. 27 no.6:805-814 1957.

1. Z II Kliniki Chorob Wewnętrznych Kierownik: prof. dr med. S. Waslaki.
Z Zakładu Radiologii Kierownik: prof. dr med. W. Grabowski i z Zakładu
Anatomii Patologicznej A. M. w Gdańsku Kierowniki: prof. dr nauk med.
W. Czarnocki. Adres: Julian Stolarczyk: Gdańsk, Akademia Medyczna,
Zakład Anat. Patologicznej, ul. Dębnicki 7.

(AORTA, rupt.

spontaneous, diag. problems (Pol))

POLAND

MALECKA-DYMNICKA, St., CHWIAŁKOWSKI, J., and ZIELINSKA, A.
First Clinic of Child Diseases (I Klinika Chorób Dziecięcych)
(Director: Prof. Dr. K. ERECKINSKI) and the Department of Ra-
diology (Zakład Radiologiczny) (Director: Prof. Dr. W. GRA-
BOWSKI) of the AM [Akademia Medyczna, Medical Academy] Gdańsk

"Case of Paroxysmal Tachycardia in a 4-year-old Girl, Pro-
bably Due to Ebstein Syndrome."

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 44, 29 Oct 62,
pp 1713-1717.

Abstract: [Authors' English summary] A rarely observed heart
defect was observed in a girl aged 4. Supraventricular par-
oxysmal tachycardia with right heart failure prevailed in the
clinical picture. The clinical picture, x-rays, and eeg sug-
gested tricuspid valve defect (Ebstein type). Possibilities of
(2) are Polish, and the other Western.

1/1

SOKOL, Stanislaw; ZIELINSKA, Anna

Lipoma of the anterior mediastinum. Pol. przegl. chir. 34 no. 9:
909-913 '62.

1. z II Kliniki Chirurgicznej AM w Gdansku Kierownik: prof. dr
K. Debicki i z Zakladu Radiologii AM w Gdansku Kierownik: prof.
dr W. Grabowski.

(MEDIASTINAL NEOPLASMS) (LIPOMA)

ZIELINSKA, Anna; BARTOSZEWICZ, Tadeusz

Pneumatosis cystoides intestinalis. Pol. przegląd. radiol. 29
no.3:291-295 My-Je '65.

1. Z Kliniki Radiologii i Radioterapii AM w Gdańsku (Kierownik:
prof. dr. W. Grabowski [deceased]) i z II Kliniki Chirurgicznej
AM w Gdańsku (Kierownik: prof. dr. K. Dębicki).

GRABOWSKI, Stefan; ZIELINSKA, Barbara

High obstruction following Henley's operation. Pol. przegl. chir. 34
no. 9:921-923 '62.

1. Z II Kliniki Chirurgicznej AM w Warszawie Kierownik: doc. dr
Z. Lapinski:
(POSTGASTRECTOMY SYNDROMES) (INTESTINAL OBSTRUCTION)

ZIELINSKA, Cecylia

Blood coagulation disorders in labor. Polski tygod.lek. 10 no.13:
385-386 28 Mar 55.

1. Z Kliniki Polonictwa i Chorob Kobiecych Instytutu Matki i
Dziecka w Warszawie; kierownik prof. dr Jan Lesinski.

(LABOR, blood in,
coagulation discord.)
(BLOOD COAGULATION,
discord. in labor)

ZIELINSKA, Cecylia

Effect of serum from pregnant women on shock caused by human placental extracts in guinea pigs. Gin. polska 26 no.1:115-124 Jan-Mar 55.

1. Z Zakladu Farmakologii A.M. w Warszawie. Kierownik: prof. dr P.Kubikowski. Z Kliniki Poloznictwa i Chorob Kobiecych Instytutu Matki i Dziecka w Warszawie. Kierownik: doc. dr J.Lesinski.

(ALLERGY, experimental,

eff. of serum from pregn. women on anaphylaxis caused by human placental extracts)

(PREGNANCY, blood in,

eff. of human serum from pregn. women on anaphylaxis caused by human placental extracts)

(BLOOD,

eff. of serum from pregn. women on anaphylaxis caused by human placental extracts)

(PLACENTA,

extract, causing anaphylaxis, eff. of serum from pregn. women in guinea pig)

ZIELINSKA, Cecylia

Research on hypofibrinogenemia in relation to fetal death in the
2d half of pregnancy. Gin.polska 29 no.1:103-109 Jan-Feb 58.

1. Z Kliniki Polognictwa i Chorob Kobiecych Kierownik: prof. dr med.
J. Lesinski. i Instytutu Matki i Dziecka w Warszawie. Dyrektor:
prof. dr med. F. Groer.

(AFIBRINOGENEMIA, in pregn.

hypofibrinogenemia causing fetal death in 2d half
pregn. (Pol))

(FETUS,

death in 2d half of pregn. caused by afibrinogenemia
and fibrinolysin

(FIBRINOLYSIN, in pregn.

causing fetal death in 2d half of pregnancy (Pol))

(PREGNANCY, compl.

hypofibrinogenemia & fibrinolysin in 2d half of
pregn. causing fetal death (Pol))

ZIELINSKA, Cecylia; BOROWICZ, Krystyna

Observations concerning early stages of experimental amniotic fluid embolism. Polski tygod.lek. 15 no.7:241-247 15 F '60.

l. Z Instytutu Matki i Dziecka w Warszawie; dyrektor; prof.dr. med. F. Groer, z Kliniki Położnictwa i Chorob Kobiecych; kierownik: prof.dr.med. J. Lesinski i z Zakładu Anatomo-Patologicznego; kierownik: dr.med. Krystyna Borowicz.

(EMBOLISM exper.)
(AMNIOTIC FLUID)

ZIELINSKA, Cecylia

Value of intradermal allergic reactions in the diagnosis of pregnancy.
Ginek. pol. no.4:539-543 '62.

1. Z Instytutu Matki i Dziecka w Warszawie Dyrektor: prof. F. Groer
Z Kliniki Położnictwa i Chorób Kobiecych Kierownik: prof. dr. J. Lesiński.
(SKIN TESTS) (PREGNANCY TESTS)

ZIELINSKA, Cacylia; SOLECKA, Waleria

Behavior of blood platelets in pregnancy toxemias. Ginek. pol.
no.4:553-556 '62.

1. Z Instytutu Matki i Dziecka w Warszawie Dyrektor: prof. dr med.
F. Groer Z Kliniki Poloznictwa i Chorob Kobiecych Kierownik: prof.
Kierownik: prof. dr. med. J. Lesinski Z Laboratorium Analitycznego
Kierownik: dr Waleria Solecka.

(BLOOD PLATELETS) (BLOOD CELL COUNT) (PREGNANCY TOXEMIAS)

ZIELINSKA, Cecylia

Studies on the relationship between the fibrinogen level and the blood coagulation time. Ginek. pol. 33 no.6:841-851 '62.

1. Z Kliniki Poloznictwa i Chorob Kobiecych Instytutu Matki i Dziecka w Warszawie. Kierownik Kliniki: prof. dr med. J. Lesinski Dyrektor Instytutu: prof. dr med. F. Groer.
(FIBRINOGEN) (BLOOD COAGULATION)

MADEJSKA, B.; ZIELINSKA, D.

Silicon oils. Wiad naft 11 [i.e.9] no.2:33-35 p '63.

ROSZKOWSKI, Zbigniew; ZIELINSKA, Daniela

Determination of the gelability of polyvinyl chloride powder
by viscosity measurements during the heating of a 2% suspen-
sion in di-2-ethylhexylphthalate. Polimery tworząc wielk 9
no.4:151-155 Ap '64

1. Institute of Plastics, Warsaw.

KULISIEWICZ, T.; ZIELINSKA, J.; KOZLOWSKA-KOWARSKA, A.

A case of peripheral neuropathy in familial primary
amyloidosis. Neurol. neurochir. psychiat. Pol. 14 no. 2:
243-245 Mr-Ap '64.

1. Z Oddzialu Neurologicznego Instytutu Psychoneurologicznego
w Pruszkowie (Kierownik Oddzialu: prof. dr med. A.Dowzenko).

BORYSOWICZ, J.; ZIELINSKA, M.

Variational calculation of the binding energy of the alpha
particle with velocity-dependent potential. Acta physica Pol.
25 no.2:291-297 F '64

1. Institute for Nuclear Research, Warsaw.

ZIELINSKI, Edward

Problems of measuring the labor productivity in the Railroad
Rolling Stock Repair Shops. Przegl kolej mechan 14 no.11:
321-324 N '62.

1. Departament Ekonomiczny, Ministerstwo Komunikacji, Warszawa.

SWIATKOWSKA, Halina; LESZCZYNSKA, Halina; LUKAWSKA, Krystyna; MALINOWSKI,
Zbigniew; ZIELINSKA, Jadwiga

Results of the treatment of cervical cancer during the period of 1952-
1953. Nowotwory II no.3/4:339-341 '61.

1. z Oddzialu Onkologii Ginekologicznej Instytutu Onkologii im.
Marii Skłodowskiej-Curie w Warszawie Dyrektor: prof. dr med.
J. Laskowski Kierownik Oddzialu doc. dr med. I. Tartowska.
(CERVIX NEOPLASMS ther)

BOGUMIL-OCZKOWSKA, Maria; RATAJCZAK-MAJEWSKA, Czeslawa; ZIELINSKA, Krystyna

Fatal hemorrhaging duodenal ulcer in newborn infants. Pediat.
Pol. 40 no.8:873-875 Ag '65.

1. Z Katedry Anatomii Patologicznej Studium Doskonalenia Lekarzy
AM w Warszawie (Kierownik: doc. dr. med. M. Kobuszewska-Faryna)
i z Oddzialu Niemowlęcego Miejskiego Szpitala Bielanskiego w
Warszawie (Ordynator: dr. med. K. Karlowicz).

REIFER, I.; KLECKOWSKI, K.; KLIMOWICZ, Elzbieta; ZIELINSKA, Krystyna

Ornithine carbamoyltransferase in higher plants. Acta biochim.
pol. 10 no.2:151-156 '63.

1. Institute of Biochemistry and Biophysics, Polish Academy of Sciences,
and Department of Biochemistry, Central College of Agriculture, Warszawa.
(PLANTS) (CHEMISTRY) (TRANSFERASES)

ZIELINSKA, Małgorzata; SOBICZEWSKI, Adam

Calculation of the optical potential with the nucleon-nucleon phase shifts in the Thomas-Fermi approximation. II. Acta physica Pol 21 no.4:423-427 Ap '62.

1. Institute for Theoretical Physica, University, Warsaw; Technical University, Warsaw; Institute for Nuclear Research, Warsaw.

S/058/62/000/010/034/093
A051/A101

24660

AUTHORS: Sobiczewski, Adam, Zielińska, Małgorzata

TITLE: Calculation of the optical potential according to the nucleon-nucleon scattering phases in Thomas-Fermi approximation. II

PERIODICAL: Referativnyy zhurnal, Fizika, no. 10, 1962, 46, abstract 10B351
("Rept. Inst. badań Jądrow. PAN", 1961, no. 281, 6 pp., illust., English; summaries in Polish and Russian)

TEXT: The calculations presented in part I (RZhFiz, 1962, 9B409) were repeated precisely, but using the latest values of the nucleon-nucleon scattering phases, as established by Breit et al. (RZhFiz, 1961, 11B194), and the following values of incident nucleon energy were chosen for the calculation instead of the Signell-Marshak phases: 50, 80, and 120 Mev. Radius and thickness of the surface layer of both the real and the imaginary part of the potential are almost the same as in part I. The depths of the real and the imaginary part have somewhat higher values: in the center of the nucleus the depth of the real part is greater by ~35%, while that of the imaginary part differs from the values used previously by less than 8%.

Yu. Orlov

[Abstracter's note: Complete translation]

Card 1/1

✓B

ZIELINSKA, Maria

The roughness coefficient in natural river beds. Przegl geofiz
7 no.2:117-130 '62.

1. Katedra Hydrologii i Gospodarki Wodnej, Politechnika, Warszawa.

ZIELINSKA, Maria

Statistical methods of calculating low waters. Przegl. geofiz.
8 no.1/2175-87 '63.

1. Katedra Hydrologii i Gospodarki Wodnej, Politechnika, Warszawa.

ZIELINSKA, Maria, mgr inz.

Summer low of Polish rivers. Gosp wodna 23 no.4 p 133-136 Ap '63.

1. Katedra Hydrologii i Gospodarki Wodnej, Politechnika, Warszawa.

ZIELINSKA, Maria

Statistical methods of low-water computation. Pt. 2.
Przegl geofiz 9 no. 2:109-120 '64.

1. Department of Hydrology and Water Management, Technical
University, Warsaw.

POLAND/Chemical Technology. Chemical Products and
Their Usos. Part IV. Leather. Fur. Gelatin.
Tanning Materials. Industrial Proteins.

H

Abs Jour : Rof Zhur-Khimiya, No 15, 1958, 52482

Author : Ziolinska, Regina

Inst : AS Poland.

Title : Investigation of the Tanning Properties
of Sumeos Grown in Poland.

Orig Pub : Dissert pharmac. PAN, 1957, 9, No 1, 35-41

Abstract : Tannide (T) content of *Rhus typhina* and
Rhus cotinus leaves, collected in July,
August, and October, was investigated.
The study revealed that *R. typhina* and *R.*
cotinus represent a rich source of T. (T
contents was 25.56 and 26.92 percent, cor-

Card : 1/2

ZIELINSKA, Regina, Dr. Farm.

Variable content of l-ascorbic acid incertain domestic vegetables
and fruits. Farm.polska 11 no.7:159-161 July '55.

1. Zaklad Farmakognozji A.M. w Lodzi. Kierownik: prof.dr J. Mus-
zynski.

(VITAMIN C, determination,
in fruits in vegetables)

(VEGETABLES,

vitamin C in)

(FRUITS,

vitamin C in)

ZIELINSKA, St., dr; JAROSZYNSKA, D.; KUROWSKA, P.

Mutual relationship between aging under higher temperature
and in storage temperature. Polimery tworzące wielk 9
no.5:185-187 My'64.

1. Institute of the Rubber Industry, Warsaw.

L 30216-66 EWP(t)/ETI IOP(c) JN/JG

ACC NR: AP6020162

SOURCE CODE: GE/0063/65/338/03-/0222/0224

24
B

AUTHOR: Krause, Alfons; Zielinski, S.; Skupinowa, W.

ORG: Institute for Inorganic Chemistry, University, Poznan, Poland

TITLE: Topochemical hydroxides of trivalent metals. New topochemical hydroxide of trivalent chromium

SOURCE: Zeitschrift fur anorganische und allgemeine Chemie, v. 338, no. 3-4, 1965, 222-224

TOPIC TAGS: topochemistry, chromium compound, hydroxide, chemical precipitation, basic catalysis

ABSTRACT: Topochemical chromium(III) hydroxide was prepared by precipitation from a solution containing 5 g. Cr₂(SO₄)₃.5H₂O per 250 ml. water and 0.5N NaOH solution not exceeding 1/3 of the stoichiometric amount of NaOH. The precipitate is washed and dried. The topochemical hydroxide thus formed has better catalytic characteristics than the ordinary variety since it has a larger specific surface. The properties of the topochemical hydroxide were discussed. Orig. art. has: 2 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 14Dec64 / ORIG REF: 002 / OTH REF: 001

Card 1/1 CC

PROT, Janina; ZIELINSKA, Stefania

On the problem of Marinescu-Sjogren syndrome. Neurol. neurochir.
psychiat. pol. 12 no.4:479-486 '62.

1. Z Kliniki Chorob Nerwowych AM w Warszawie. Kierownik: prof. dr med.
I. Hausmanowa-Petrusewicz.

(CATARACT) (ATAXIA)

PROT, Janina; ZIELINSKA, Stefania

On the Marinescu-Sjögren syndrome. Neurol neurochir psych 12
no.4:479-486 Jl-Ag '62.

1. Klinika Chorob Nerwowych, Akademia Medyczna, Warszawa.
Kierownik: prof. dr med. I. Hausmanowa-Petrusewicz.

ZIELINSKA, Teresa

Method of determining trace amounts of chloride ions in the water
of the primary reaction cycle of reactor cooling. Nukleonika 8
no.3:206-208 '63.

1. Instytut Badan Jadrowych, Zaklad Paliw Jadrowych i Materiałów
Konstrukcyjnych, Warszawa.

KOZAKIEWICZ, Henryk; ZIELINSKA, Wanda; IMIELINSKA, Hanna

The problem of diabetes in viral hepatitis. (With review of our material). Pol. arch. med. wewnet. 32 no.8:1017-1028 '62.

1. z Kliniki Chorob Zakaznych AM w Gdansku Kierownik: prof. dr med. W. Bincer.
(DIABETES MELLITUS) (HEPATITIS INFECTIOUS)

ZIELINSKA, Wieslawa, mgr

Originality and foreign influences in fabric patterns.
Przegl wlekien 16 no.11; Suppl.: Biul C B Wsown Przem
Lekkiego 3 no.9:1-4 N '62.

ZIELINSKA-ŁOJEWSKA, Bogumiła

Analysis of anesthesia and postoperative conditions in scoliosis in children. Chir narzad. ruchu ortop. pol. 27 no.3:397-401 '62.

1. Z Kliniki Ortopedycznej AM w Warszawie Kierownik: prof. dr A. Gruca.
(SCOLIOSIS) (ANESTHESIA GENERAL)

ZIELINSKI, Anatol

POLAND

ZIELINSKI, Anatol

Geological Institute (Instytut Geologiczny)

Warsaw, Przeglad geologiczny, No 9, Sept 63, pp 429-30.

"On the Occurrence of Quartzite Sands in the Mierzecice
Region (West of Zawiercie--Upper Silesia)".

ZIELINSKI, A.

Accuracy of hydraulic copying. p.503.

MECHANIK. (Stowarzyszenie Inżynierów i Techników Mechaników Polskich)
Warszawa, Poland. Vol.32, No.9, Sept. 1959.

Monthly list of East European Accession (EEAI) LC, Vol.9, no.1, Jan.1960.

Uncl.

Zielinski, A.

Chlorine derivatives obtained from acetylene and other light hydrocarbons. p. 141.

PRZEMYSŁ CHEMICZNY. (Ministerstwo Przemysłu Chemicznego i Stowarzyszenia Naukowo-Techniczne Inżynierów i Techników Przemysłu Chemicznego) Warszawa, Poland.
Vol. 37, no. 3, Mar. 1958.

Monthly list of East European Accesions (EEAI) LC, Vol. 9, No. 2, Feb. 1959.

Uncl.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110011-4

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110011-4"

Distr: 4112c

JW
✓ The surface area of cadmium sulfide obtained from acidic solutions containing nitrate and chlorides. [M. Kryszewski and Emil Zajączkowski (Adam, Gdansk-Pulawy, Krakow, Poland).] *J. Pol. Chem.*, 32, 467-70 (1958) (English summary).—The effect of conditions of CdS precip. from acidic solns. on its sp. surface area was investigated. For a given temp. of precip. and of drying the surface area of CdS crystallites depends on the acidity of the soln. With increasing HNO₃ concn. (in the case of Cd(NO₃)₂) and HCl (in the case of CdCl₂) the sp. area decreases and the color intensity of CdS increases changing from yellow to orange-red.

A. Kryszewski

COUNTRY	:	Poland	B-13
CATEGORY	:		
ABS. JOUR.	:	RZKhim., No. 1959, No. 85529	
AUTHOR	:	Czaplinski, A.; Zielinski, E.	
INST.	:		
TITLE	:	Adsorption of Helium, Neon, and Hydrogen at Silicagel and Aluminagel at Temperature of Liquid Nitrogen and High Pressures.	
ORIG. PUB.	:	Przem. chem., 1959, 38, No 2, 87-88	
ABSTRACT	:	Different samples of silicagel (SG) and alumina gel (AG) were studied to find an adsorbent suitable for separation of mixtures of He and Ne. Adsorption of He, Ne, and H ₂ was effected at temperature of liquid N ₂ and 0-30 atmospheres pressure. Adsorption of these gases increases in the order He < Ne < H ₂ . Finally porous SG yielded best results. Use of pressures of the order of several atmospheres promotes separation of H ₂ from Ne, further increase of pressure is detrimental. It is noted that Langmuir's equation does not apply to adsorption of Ne.	
		Ya. Satunovskiy.	

CARD:

ZIELINSKI, Edmund, mgr inż.

Power technology in power engineering. Energetyka Pol 14 no.11:
343-347 N '60. (EEAI 10:3)

1. Instytut Energetyki, Pracownia Energotechnologii
(Electrical engineering)

ZIELINSKI, Edward, mgr.

Organization and technique of a complex economic and technical analysis. Przegl kolej elektrotechn 13 no.8:251-255 '61.

ZIELINSKI, E. - CZAPLINSKI, A.

Adsorption of helium, neon, and hydrogen on silica gel and alumina at the temperature of liquefied nitrogen and high pressure. p. 87

PRZEMYSŁ CHEMICZNY. (Ministerstwo Przemysłu Chemicznego i Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Przemysłu Chemicznego) Warszawa, Poland. Vol. 38, no. 2, February, 1959

Monthly List of East European Accessions (EEAI) LC, Vol 8, no. 8, August, 1959 Uncl.

ZIELINSKI, H.

Oxidation process in the chemical processing of coal. p. 172

KAKA, SMOLA, GAZ. Katowice, Poland Vol. 4, no. 4, July/Aug. 1959.

Monthly List of East European Accession. (EEAI) LC, Vol. 9, no. 1,
Jan. 1960

Uncl.

NADZIAKIEWICZ, Julian; ZIELINSKI, Henryk

Perspectives for the development of fluidal degassing of coal in Poland. Koks 6 no.4:129-134 Jl-Ag '61.

1. Instytut Chemicznej Przetarobki Węgla.

(Poland—Coal)

KLOS, Andrzej, dr., inz.; TWARDY, Lucjan, mgr., inz.; ZIELINSKI, Jerzy
Kazimierz, mgr., inz.

Economic load distribution; application of digital computers to
problems of economic load distribution in large power systems with
regard to network losses. Przegl elektrotechn 37 no.8:335-339 '61.

(Electric power)
(Electronic calculating machines)

ZIELINSKI, J.

An analysis of errors in the calculation of prestressing force in the process of prestressing with straight cables. p. 15.

ARCHIWUM INZYNIERII LADOWEJ. (Polaska Akademia Nauk. Komitet Inżynierii Ladowej)
Warszawa, Poland. Vol. 5, no. 1, 1959

Monthly list of East European Accession (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

88836

3.2300 (1041,1080,1168)

P/010/60/008/004/002/002
D231/D301

AUTHOR: Zielinski, J.

TITLE: Some results of calculations made by the Institute of Theoretical Astronomy AS USSR from observations of artificial satellites

PERIODICAL: Postępy astronomii, v. 8, no. 4, 1960, 269

TEXT: This is a summary of an article by Y.V. Batrakov (Ref. 1: Byulleten' instituta teoreticheskoy astronomii, 1959, no. 7) dealing with the evaluation of satellite observations which was carried out by the Institute of Theoretical Astronomy soon after the launching of Sputnik 3. A fairly complete theory of the motion of artificial satellites was derived before beginning to evaluate the data. All calculations were performed with a BESM electronic computer. Prior to Batrakov's article, only the computations for the satellite 1957 β and for the carrier rocket of

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D231/D301

Some results of calculations ...

1958 δ-1 had been completed. Work on satellite 1958 δ-2 is still in progress. Data in excess of the computer's capacity and also the measurements of azimuth and the height were not utilized. Erroneous observations were automatically rejected by the computer. All observations, with the exception of the azimuth data, are now being published in special bulletins. Where there was a scarcity of observations in the Southern hemisphere, not all elements of the orbits were determined. Two graphs of n and n' values are contained in Batrakov's article for the rocket of Sputnik 3, where n = the mean motion and n' = a parameter depending on atmospheric resistance. From the values of n' , it appears that air density for the given height varies within 10% limits. Work on the photographic observations made is also being carried out. Deviations may reach $\pm 0.5^\circ$; this is due to errors in the times of observations attaining ± 0.05 sec., insufficient knowledge of the terrestrial gravitational field and miscellaneous

Card 2/3

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D231/D301

Some results of calculations ...

factors not covered by the theory. Elements of the orbits were, therefore, calculated in smaller time increments (1-3 days). Batrakov stressed the need for more observations in the southern hemisphere. Satellite observations may now provide information on atmospheric density and on the shape of the Earth, but more visual and photographic data are required. The Institute of Theoretical Astronomy has carried out preliminary calculations on the extent of the flattening of the Earth, using two criteria for the accuracy of the observations. The results were: $\frac{1}{\varepsilon} =$

297.5 ± 0.9 and 297.5 ± 0.5 [Abstractor's note: ε is not defined here], which differ from the value of 298.2 obtained in the USA. This discrepancy is ascribed to an insufficient knowledge of the elements of the orbits. [Abstractor's note: Essentially complete translation].

Card 3/3

BOGDANOV, A.A. (SSSR); SLAVIN, V.I. (SSSR); KSIAZKIEWICZ, M. (Pologne);
VARENTSOV, M.I. (SSSR); WDOWIARZ, St. (Polska); PASHCHENKO, Ya.Ye.
(SSSR); MISHUNINA, Z.A. (SSSR); ZIELINSKI, J. (Polen)

Participation in discussions. Mat.Karp.-Balk.assots. no.1:190-207
'60. (MIRA 14:12)

(Geology)

ZIELINSKI, J.

Geodetic aspects of the problems of artificial earth satellites, p. 328.

PREZEGLAD GEOFIZYCZNY. (Stowarzyszenie Naukowe-Techniczne Geodetow Polskich)
Warszawa, Poland. Vol. 15, no. 8/9, Aug./ Sept. 1959.

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 2, Feb. 1960.

Uncl.

ZIELENSKI, J.

"Victorious Aero Club. Tr. from the Polish", P. 368, (KRIDLA VLASTI,
Vol. 4, No. 15, Aug 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955, Uncl.

ZIELINSKI, Janusz J.

Epidemiological study of mental diseases. Neurol. neurochir.
psychiat. pol. 13 no.2:293-299 '63.

1. Z Oddzialu Psychiatrii Spolecznej Instytutu Psychoneurologicznego w Pruszkowie Kierownik Oddzialu: dr med. K. Gerard
Dyrektor Instytutu: prof. dr med. Z. W. Kuligowski.
(MENTAL DISORDERS) (EPIDEMIOLOGY)

BALCERZAK, Andrzej, Mgr.inz.; ZIELINSKI, Janusz, Mgr.inz.

Calculation of current impulse generators. Inst Elektrotech
9 no.26:1-21 '61.

1. Zaklad wysokich napięc, Warszawa.

DROJECKI, Andrzej; ZIELINSKI, Janusz

Mental complications during therapy of lupus erythematosus with
atebrine. Polski tygod.lek. 15 no.14:505-508 4 Ap '60.

1. Z Kliniki Dermatologicznej; kierownik: doc.dr H. Prochacki i
z Kliniki Psychiatrycznej P.A.M. w Szczecinie; kierownik: z-ca
prof.dr F. Piatkowski.

(QUIMACRINE toxicol.)

(LUPUS ERYTHEMATOSSES ther.)

(MENTAL DISORDERS etiol.)

CYGAN, Zbigniew; WARONSKI, Włodzimierz; ZIELINSKI, Jerzy.

Relationship between the chemical structure of urinary calculi
and the clinical picture of lithiasis. Postery hig.med.dosw.
13 no.6:721-740 '59.
(URINARY CALCULI)

ZIELENSKI, J.

"Trifles from the World of Gliders", P. 369, (KRIDLA VLASTI, Vol. 4,
No. 16, Aug. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No.1,
Jan. 1955, Uncl.

ZIELEZINSKI, J.

Wrong variometer or defective installation? p. 6.
SKRZYDŁATA POLSKA, Warszawa, Vol. 11, no. 23, June 1955.

SO: Monthly List of East European Accessions, (MEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

ZIELINSKI, JANUSZ

P/021/62/000/003/001/002
D265/D301

AUTHOR: Zieliński, Jerzy, Janusz, and Kazala, Franciszek, Masters
of Engineering

TITLE: Estimation of insulating properties of high voltage switches

PERIODICAL: Przeglad elektrotechniczny, no. 3, 1962, 91-98

TEXT: The authors present a procedure and results of the statistical analysis of high voltage switches conducted in the Department of High Voltage Technique at the Institute of Electrotechnics in Warsaw in 1957. 57 High voltage switches belonging to 28 types were tested according to the requirements of various standards (Ref. 1: PN-60/E-05001; Ref.2: PN/E-06100; Ref. 3: PKN/E-05001; Ref.4; Publ. 71 - Directives pour la coordination de l'isolation, Commission Electrotechnique Internationale). The analysis comprised the requirements stated and defined by the authors by the following coefficients: Impulse coefficient, electric asymmetry coefficient, rod-to-earth and rod-to-rod insulation co-ordination index, ✓

Card 1/2

P/021/62/000/003/001/002

Estimation of insulating properties... D265/D301

insulation surplus index and the insulation exploitation coefficient. The definitions and test procedures are described for each case and the results presented on the curves of probability of the occurrence of given faults, and on graphs showing the actual tested results against requirements. The conclusion is drawn that the gradually applied voltage test is not conclusive without the breakdown test. Low asymmetry coefficients and small insulation exploitation indices are revealed in switches of Polish manufacture. Complete redesigning of switches would be necessary if absolute coordination of rod-to-rod and rod-to-earth insulation were to be observed. There are 11 figures, and 10 references: 7 Soviet-bloc and 3 non-Soviet-bloc. The reference to the English-language publication reads as follows: H. Baatz, Comparative Impulse Tests on Rod Gaps, (unpublished material of the Research Committee, no. 8, CIGRE, 1961).

ASSOCIATION: Instytut elektrotechniki, zakłady wysokich napięć, (The Institute of Electrotechnics, Department of High Voltage Techniques)

Card 2/2

"APPROVED FOR RELEASE: 09/19/2001

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ZIELINSKI, Janusz

Notes on the technical polygonation for agricultural purposes.
Przegl geod 34 no.1:24-25 '62.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110011-4"

ZIELINSKI, Jerzy

Cure of ureteral stricture by means of opening and dilatation with
a catheter. Polski przegl. chir. 33 no.11a:1447-1450 '61.

l. Z II Kliniki Chirurgicznej Sz. AM w w Zabrzu Kierownik: prof.
dr J.Gasinski.

(URETERS dis)

P/021/62/000/003/001/002
D265/D301

AUTHOR: Zieliński, Jerzy, Janusz, and Kazaka, Franciszek, Masters
of Engineering

TITLE: Estimation of insulating properties of high voltage switches

PERIODICAL: Przegląd elektrotechniczny, no. 3, 1962, 91-98

TEXT: The authors present a procedure and results of the statistical analysis of high voltage switches conducted in the Department of High Voltage Technique at the Institute of Electrotechnics in Warsaw in 1957. 57 High voltage switches belonging to 28 types were tested according to the requirements of various standards (Ref. 1: PN-60/E-05001; Ref.2: PN/E-06100; Ref. 3: PKN/E-05001; Ref.4: Publ. 71 - Directives pour la coordination de l'isolation, Commission Electrotechnique Internationale). The analysis comprised the requirements stated and defined by the authors by the following coefficients: Impulse coefficient, electric asymmetry coefficient, rod-to-earth and rod-to-rod insulation co-ordination index, ✓

Card 1/2

P/021/62/000/003/001/002

Estimation of insulating properties... D265/D301

insulation surplus index and the insulation exploitation coefficient. The definitions and test procedures are described for each case and the results presented on the curves of probability of the occurrence of given faults, and on graphs showing the actual tested results against requirements. The conclusion is drawn that the gradually applied voltage test is not conclusive without the breakdown test. Low asymmetry coefficients and small insulation exploitation indices are revealed in switches of Polish manufacture. Complete redesigning of switches would be necessary if absolute coordination of rod-to-rod and rod-to-earth insulation were to be observed. There are 11 figures, and 10 references: 7 Soviet-bloc and 3 non-Soviet-bloc. The reference to the English-language publication reads as follows: H. Baatz, Comparative Impulse Tests on Rod Gaps, (unpublished material of the Research Committee, no. 8, CIGRE, 1961).

ASSOCIATION: Instytut elektrotechniki, zakłady wysokich napięć, (The Institute of Electrotechnics, Department of High Voltage Techniques)

Card 2/2

1(6)

PHASE I BOOK EXPLOITATION

POL/3523

Zielezinski, Józef

Vademecum mechanika szybowcowego (Handbook for the Glider Mechanic)
Warsaw, Wyd-wa komunikacyjne, 1959. 297 p. 2,150 copies printed.

Reviewers: Zbigniew Lewandowski, Engineer and Marian Gracz, Engineer;
Ed.: Michał Goszczyński; Tech. Ed.: Leokadia Zwolakowska.

PURPOSE: This book is intended for builders and maintenance personnel of glider aircraft. It will be of interest to glider pilots, students and instructors.

COVERAGE: This book gives a description of the materials used in the building and repair of gliders. It discusses the tools and instruments used in this work. Procedures and materials used in the protection of glider parts against corrosion and decay are described. No personalities are mentioned. There are 18 references: 12 Polish, 4 German, 1 Soviet, and 1 Czech.

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ZIELEZINSKI, J.

Influence of wind on the turning of a glider at low altitude. p.13. (SKRZYDŁATA POLSKA,
Warszawa, Vol. 11, No. 11, Mar. 1955)

SO: Monthly List of East European Accessions, (ZEAL), LC, Vol. 4, No. 6, June 1955,
Uncl.

ZIELEZINSKI, J.

What is balsa? Some encyclopedic information, p. 224. (SKRZYDŁATA POLSKA, Vol. 10, No. 14, Apr. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

ZIELEZINSKI, J.

dz. Instructor from Leszno. p.14. (SKRZYDLATA POLSKA, Warszawa, Vol. 11, No. 11,
Mar. 1955)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, June 1955,
Uncl.

ZIELINSKI, J.S.

Calculation of internal overvoltages in electric power systems by
using the method of characteristics. Archiw elektrotech 13 no.1:
125-145 '64.

1. Department of Electric Power Engineering, Institute of High
Voltages, Technical University, Lodz.

ZIELEZNY, Z.

A definition of the value of a distribution.
In German. p. 479.
MATEMATYKA Vol. 3, No. 9, 1955 Warszawa, Poland.

Source:

Monthly List of East European Accessions, (EEAL)
Library of Congress, Vol. 5, No. 10 Oct. 1956.

Zielęny

Mikusinski, J.
Equivalence is shown between this definition and the
Schwartz definition (linear functionals on a space of
testing functions). The proofs of equivalence, and most of
the theory of the present exposition, are close to material
contained in the books of Schwartz, but the definition of
definite integral $\int_a^b T dx$ for some distributions T appears
to be new. Cf. the following review. Here Γ is a class
 $G \in \Gamma$ whenever $\Gamma \in G$ and Γ coincides with
a continuous point function locally at a and locally at b .
Integration by parts, and Hadamard finite parts are
discussed for definite integrals of distributions.
Fourier series are also discussed for all distributions
on $(0, 2\pi)$ using definite integrals of distributions.

I. Harparin (Kingston, Ont.).

Łojasiewicz, S.; Włodzka, J.; und Zielęny, Z. Über eine
Definition des Wertes einer DISTRIBUITIONSPUNKT. Acad.
Polon. Sci. Cl. III. 3 (1955), 479-481.

The following results are announced (proofs to appear
in Rozprawy Matematyczne). Let $\text{if} f(x)$ denote a distribu-
tion. I. The distribution-limit: $\lim_{\epsilon \rightarrow 0} f(\epsilon x + x_0)$, if it
exists, is a constant function (coincides with $f(x_0)$ if f is,
in a neighborhood of x_0 , a point function continuous at

MIKUSINSKI, J.

$\int_{x_0}^0 f(x)dx$. This limit is called the value of f at x_0 , denoted $f(x_0)$ (definition attributed to S. Łojasiewicz). $\int_0^b f(x)dx$ is defined to be the value at 0 (if this exists) of distribution $(F(x+b) - F(x+a))$ with $F' = f$. II. If $F' = f$ and f has a value at x_0 , then so does F . III. If f has values at a and b , then $\int_a^b f(x)dx$ is defined. IV. $\int_0^{2\pi} f(x)dx$ is defined if $f(x+2\pi) = f(x)$; and $f(0) = \sum_{n=0}^{\infty} c_n e^{inx}$ with $c_n = \frac{1}{2\pi} \int_0^{2\pi} f(x) e^{-inx} dx$ [cf. the preceding review]. I. Blaszczyk.

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Zieleński, Z. Sur la définition de Łojasiewicz de la valeur d'une distribution dans un point. Bull. Acad. Polon. Sci. Cl. III. 3 (1955), 519-520.

On the real line $-\infty < x < \infty$ let $f = f(x)$ denote a locally summable function, F a distribution and $\varphi(x)$ a continuous function possessing derivatives of all orders and vanishing outside some finite interval. For fixed a and $\alpha \neq 0$ define $f^{a,\alpha}$, $F^{a,\alpha}$ and $\varphi_{a,\alpha}$ as follows:

$$f^{a,\alpha}(x) = f(ax + a), \quad \varphi_{a,\alpha}(x) = \frac{1}{a} \varphi\left(\frac{x-a}{a}\right); \quad \text{and } F^{a,\alpha}(\varphi) = F(\varphi_{a,\alpha})$$

for all φ . If F coincides with a function f then $F^{a,\alpha}$ will coincide with $f^{a,\alpha}$. Always

$$(F^{a,\alpha})' = a(F')^{a,\alpha}, \quad (F^{a,\alpha})^{a,\alpha} = \frac{1}{a^\alpha} (F^{a,\alpha})^{(a)}$$

$$\text{if } F = f^{(k)}, \text{ then } F^{a,\alpha} = a^{1-k} (f^{a,\alpha})^{(k)}.$$

3/1
3/1

MIKUSINSKI, J.

Theorem (attributed to S. Łojasiewicz, see the 2nd preceding review). If $\lim_{a \rightarrow 0} F^{a,\alpha}$ exists as a distribution T then T is a constant function of F and $T'(x)$ is zero.

Proof. Let $\varphi(x)$ be a test function. Then $\varphi_{a,\alpha}(x)$ is a test function for $F^{a,\alpha}$.

$$\langle F^{a,\alpha}, \varphi_{a,\alpha} \rangle = \int_{-\infty}^{\infty} F^{a,\alpha}(x) \varphi_{a,\alpha}(x) dx = \int_{-\infty}^{\infty} F(x) \varphi(x) dx = \langle F, \varphi \rangle$$

$$\langle F^{a,\alpha}, \varphi_{a,\alpha} \rangle = \int_{-\infty}^{\infty} F^{a,\alpha}(x) \varphi_{a,\alpha}(x) dx = \int_{-\infty}^{\infty} F^{a,\alpha}(x) \varphi(x) dx = \langle F^{a,\alpha}, \varphi \rangle$$

Let $\varphi(x) = x^k$ be a polynomial of degree k , $k \geq 0$. Then $\varphi_{a,\alpha}(x)$ is a polynomial of degree $k + \alpha - 1$. The author succeeds in showing that $\varphi_{a,\alpha}(x)$ is of the form $c_{\alpha} x^{\alpha - 1}$ and hence that $F^{a,\alpha}(\varphi) = a^{1-\alpha} F(\varphi)$. Therefore $\langle T, \varphi \rangle = \lim_{a \rightarrow 0} \langle F^{a,\alpha}, \varphi \rangle = \lim_{a \rightarrow 0} a^{1-\alpha} \langle F, \varphi \rangle = 0$.

J. Harper (Kingston, Ont.)

R.W.J.